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Massimo Caputo, MD, Alan J. Bryan, FRCS, Radek Capoun, MD, Balakrishnan Mahesh, FRCS, Franco Ciulli, MD, Jonathan Hutter, FRCS, and Gianni D. Angelini, FRCS

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Timothy T. Hamilton, MD, Lynne M. Huber, RN, and Michael E. Jessen, MD

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<b>S1422 Human Umbilical Cord Cells: A New Cell Source for Cardiovascular Tissue Engineering</b> Alexander Kadner, MD, Simon P. Hoerstrup, MD, Jay Tracy, Christian Breymann, MD, Christine F. Maurus, MD, Serguei Melnitchouk, MD, Gregor Kadner, MS, Gregor Zund, MD, and Marko Turina, MD	<b>1037</b> <b>The Society of Thoracic Surgeons: Thirty-ninth Annual Meeting</b>
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Martin F. McKneally, MD, PhD

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Ronald C. Elkins, MD

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Giovanni Battista Luciani, MD, Gianluca Casali, MD, Stefano Auriemma, MD, Francesco Santini, MD, and Alessandro Mazzucco, MD

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Rajendra H. Mehta, MD, MS, Kim A. Eagle, MD, Laura P. Coombs, PhD, Eric D. Peterson, MD, MPH, Fred H. Edwards, MD, Francis D. Pagani, MD, PhD, G. Michael Deeb, MD, Steven F. Bolling, MD, and Richard L. Prager, MD, On Behalf of The Society of Thoracic Surgeons National Cardiac Registry

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Michael A. Borger, MD, PhD, Terrence M. Yau, MD, MS, Vivek Rao, MD, PhD, Hugh E. Scully, MD, and Tirone E. David, MD

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Paul A. Kurlansky, MD, Ernest A. Traad, MD, David L. Galbut, MD, Samuel Singer, BA, Melinda Zucker, BSN, and George Ebra, EdD

**1526 A Comparison of the Recovery of Health Status After Percutaneous Coronary Intervention and Coronary Artery Bypass**  
A. Michael Borkon, MD, Gregory F. Muehlebach, MD, John House, MS, Steven P. Marso, MD, and John A. Spertus, MD, MPH

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**1537 How Safe Is the Port Access Technique in Minimally Invasive Coronary Artery Bypass Grafting?**  
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**1568 Significant Improvement of Heart Function by Cotransplantation of Human Mesenchymal Stem Cells and Fetal Cardiomyocytes in Postinfarcted Pigs**  
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**1581 Biomechanical Modeling of Hemodynamic Factors Determining Bulging of Ventricular Aneurysms**  
Thomas Bartel, MD, Hans Vanheiden, MD, Johannes Schaar, MD, Wolfgang Mertzkirch, MD, and Raimund Erbel, MD, FACC

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Michael J. Moulton, MD

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Thomas J. Francel, MD

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Jai S. Raman, FRACS, Kazuhiro Kochi, MD, Hiroshi Morimatsu, MD, Brian Buxton, FRACS, and Rinaldo Bellomo, MD

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**1612 Left Ventricle Is Better Suited as Pulmonary Ventricle in Simple Transposition With Severe Pulmonary Hypertension**  
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**1616 Preoperative Pulmonary Venous Obstruction Affects Long-Term Outcome for Survivors of Total Anomalous Pulmonary Venous Connection Repair**  
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**1671 A New Technological Approach to Nonanatomical Pulmonary Resection: Saline Enhanced Thermal Sealing**  
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**1700 Nitric Oxide: Lifesaving Measure for Pulmonary Vasospasm After Modified Blalock-Taussig Shunt**  
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**1702 Truncus Arteriosus With Coarctation of Persistent Fifth Aortic Arch**  
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**1704 Endotracheobronchial Neurofibromas**  
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Charles F. Bellows, MD, Renee S. Hartz, MD, Carey Cullinane, MD, and John D. Pigott, MD

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Yingjie Cui, MD

**1747 Aortic Valve Surgery After Previous Coronary Artery Bypass Grafting With Patent Internal Mammary Artery Grafts: Personal Contributions**  
Nicola Luciani, MD, Giuseppe Nasso, MD, and Gianfederico Possati, MD

*Reply*  
Alexandros N. Karavas, MD, and John G. Byrne, MD

*Reply*  
A. Marc Gillinov, MD, and Bruce W. Lytle, MD

**1748 Risk Assessment, League Tables, and Report Cards: Where is True Quality Monitoring?**  
Samer A. M. Nashef, FRCS, and François Roques, MD

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Gary L. Grunkemeier, PhD, K. Jeanne Zerr, RN, MBA, and Ruyun Jin, MD

**1750 Lung Cancer With Pleural Dissemination: Why Not Operation?**  
Marc Riquet, PhD, MD, Christophe Foucault, MD, and François Souilamas, MD

*Reply*  
Noriyoshi Sawabata, MD

## **SUPPLEMENT: AORTIC SURGERY SYMPOSIUM VIII**

**S1753 Introduction**  
Randall B. Griep, MD, and Eva B. Griep, MD

### **SESSION 1: ASCENDING AORTA**

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Bruce W. Lytle, MD, Joseph F. Sabik, MD, Eugene H. Blackstone, MD, Lars G. Svensson, MD, Gosta B. Pettersson, MD, and Delos M. Cosgrove III, MD

**S1758 Aortic Valve-Sparing Operations in Patients With Aneurysms of the Aortic Root or Ascending Aorta**  
Tirone E. David, MD, Joan Ivanov, PhD, Susan Armstrong, MS, Christopher M. Feindel, MD, and Gary D. Webb, MD

**S1762 Correction of Leaflet Prolapse in Valve-Preserving Aortic Replacement: Pushing the Limits?**  
Hans-Joachim Schäfers, MD, PhD, Diana Aicher, MD, and Frank Langer, MD

**S1765 Valve-Sparing Aortic Root Reconstruction in Patients With Significant Aortic Insufficiency**  
Klaus Kallenbach, MD, Matthias Karck, MD, Rainer G. Leyh, MD, Christian Hagl, MD, Thorsten Walles, MD, Wolfgang Harringer, MD, and Axel Haverich, MD

**S1769 Bioprosthetic Valved Conduit Aortic Root Reconstruction: The Mount Sinai Experience**  
Jan D. Galla, MD, PhD, Steven L. Lansman, MD, PhD, David Spielvogel, MD, Oktavijan P. Minanov, MD, M. Arisan Ergin, MD, PhD, Carol A. Bodian, PhD, and Randall B. Griep, MD

**S1773 Aortic Complications After Bicuspid Aortic Valve Replacement: Long-Term Results**  
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*Panelists:* Bruce W. Lytle, MD, Tirone E. David, MD, H. J. Schafers, MD, PhD, Klaus Kallenbach, MD, Jan D. Galla, MD, PhD, Joseph E. Bavaria, MD, Claudio Russo, MD, Scott LeMaire, MD, Lars G. Svensson, MD, PhD, and Mauro Rinaldi, MD

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**1979 Total Lymphoid Irradiation for Refractory Rejection in Pediatric Heart Transplantation**  
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